ಬೆವಿಕಂ BESCOM

ಬೆಂಗಳೂರು ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ ನಿಯಮಿತ

CIN: U04010KA2002SGC030438

Bengaluru Electricity Supply Company Limited

ಸ್ವಾತಂತ್ರ್ಯದ ಅಮೃತ ಮಹೋತ್ಸವ

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ಪ್ರಧಾನ ವ್ಯವಸ್ಥಾಪಕರು (ವಿ),
ಮಾಪಕ ಮತ್ತು ವಾಣಿಜ್ಯ ಶಾಖೆ,
೨ನೇ ಬ್ಲಾಕ್, ೧ನೇ ಮಹಡಿ
ಬೆವಿಕಂ, ಕೆ.ಆರ್.ವೃತ್ತ, ಬೆಂಗಳೂರು.

ಸಂ : ಪ್ರವ್ಯ(ಮಾ&ವಾ)/ಉಪ್ರವ್ಯ(ಮಾ&ವಾ)/ಸಪ್ರವ್ಯ-1/ಬಿಸಿ24&45/23-24/ 617 ದಿನಾಂಕ : 03/07/2023

CLARIFICATION-I

Sub : Supply and fixing of 11kV 3phase 4wire smart meters in place of existing 3phase 3wire non-DLMS meters in HT installations of Non-RAPDRP area of BESCOM on total turnkey basis under PERCENTAGE quoting on each item.

Ref : 1) T.O. Bid Enquiry No: BESCOM/GM (M&C)/120/ SmartMeter/ 2023-24.
2) Paper Notification dated 15.06.2023.
3) Pre-bid meeting dated: 23.06.2023.

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The following clarifications pertaining to the subject bid enquiry are herewith issued consequent to request from the prospective bidders:

Sl. No	As existing	Queries sought by the prospective bidders	BESCOM Clarifications
1	**Section - I (Volume –1)** **INVITATION FOR BID (IFB) Clause 1.0** **9.0 Period of completion:** The work shall be completed within 03 (Three) months from the date of issue of award.	Kindly amend the clauses as " The work shall be completed within 06 (Six) months from the date of issue of award". Following are the prerequisites required form BESCOM for commencement of installations work: - Complete list of 1049 nos. Consumer sites with address and consumer details. - Availability of 10 Nos. MT staff and O&M staff of BESCOM for coordination, final reading and sealing purpose. - Availability of all communications SIM (4G) before commencement of first installations.	No changes. However, BESCOM will provide the required details at the time of issue of LoI/ DWA.

Sl. No	As existing	Queries sought by the prospective bidders	BESCOM Clarifications
2	**Section – I, (Volume –1)** **INVITATION FOR BID (IFB)** **1.3 Bid submission c)** Price bids of Techno-commercially responsive bidders who successfully demonstrate Proof of Concept (POC) for integration of meter data to the existing BESCOM server shall only be opened at a later date through the KPP portal and no separate intimation will be communicated.	Please clarify what kind of support required for POC from bidder side. As per the tender, only 2 sample meters needs to be submitted by bidder. For integration of meter data to existing server, please confirm about who will provide the SIM and do the necessary configuration. We would like to inform your good selves that we had already submitted our HT meter sample to your good office for integration check with BESCOM server and understood that integration check was OK.	a. BESCOM has already awarded for the integration of data with existing billing systems from the DLMS meters. Implementation is in progress. For the integration with meter, necessary support like meter configuration details, technical support in getting the details from meter and any other which is required at the time of implementation and testing comes under the scope of the Bidder. b. SIM will be provided by the agency who is awarded for integration and implementation by BESCOM. c. As per the QR, POC is very much essential in all respects as stated above.

Sl. No	As existing	Queries sought by the prospective bidders	BESCOM Clarifications
3	**Section - I (Volume –1) INVITATION FOR BID (IFB) Clause 1.4 QUALIFYING REQUIREMENTS: Part A: Technical criteria Sl No. 2** The tenderer should have Satisfactorily completed (at least 90% of the contract value), as prime contractor, at least one similar work such as Replacement of LT/HT energy meter in any DISCOM/ power utilities/ SEBs/ government entities in India in the last Five Years. (i.e., FY 2018-19 to 2022-23). The value of such work should not be less than ₹ 2.065 Cr (50% of the amount put to tender): a. Purchase Orders/Detailed Work Awards/ letter of awards b. Work completion/ Performance certificate for replacement of LT/HT energy meter issued by an officer not below the rank of executive Engineer or equivalent rank for the above Purchase Orders/Detailed Work Awards/letter of awards c. Details of Work performed as Prime Contractor for replacement of LT/HT energy meter during the five years shall be filled in the format Enclosed as Annexure.	1. Request BESCOM to accept the ongoing projects and accept the letter from the entity such as DISCOM/power utilities/SEBs/ government entities in India in the last Five Years. (i.e., FY 2018-19 to 2022-23). 2. As the scope of work is supply and installation of HT Smart meters and that OEMs component is more and critical we request BESCOM to consider OEMs experience also In this case MAF can be obtained along with their experience for supply and installation Hence the clause shall be amended as The Tenderer or OEM should have satisfactorily completed at least one similar work. 3. Please confirm about the consideration of LT (Single Phase, 3 Phase and CT operated meters) supply & installation / replacement for this requirement Kindly elaborate with example for the note.	1. No changes. 2. No changes. 3. LT covers both single and three phase energy meters.

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4	**Section - I (Volume –1) INVITATION FOR BID (IFB) Clause 1.4 QUALIFYING REQUIREMENTS Part A: Technical criteria: Sl No.3** The tenderer should have executed 840 Nos. (80% of tendered quantity) of energy meter replacement works on TTK basis in any one year during the last Five Years. (i.e., FY 2018-19 to 2022-23) in any DISCOMs/ power utilities/ SEBs/ government entities in India on TTK basis.	Request you to amend the clause as the Tenderer or OEM should have executed 840 Nos of energy meter supply and replacement works on TTK basis in any one year during the last five years	No changes.
5	**Section - I (Volume –1)** **INVITATION FOR BID (IFB) Clause 1.4 QUALIFYING REQUIREMENTS: Part A: Technical Criteria Sl No.5. Documents to be uploaded by the bidder.** The bidder shall submit two Sample meter along with the bid.	Kindly clarify whether we will submit -/1A and -/5A sample meter.	Since, BESCOM is having both -/1A and -/5A type of installations, one sample meter shall be submitted for each type.

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6	**Section - I (Volume –1) INVITATION FOR BID (IFB) Clause 1.4 QUALIFYING REQUIREMENTS: Part C: General Criteria Sl No. 13 iv)** Even though the Bidders meet the above criteria, they are subject to be disqualified if they have: iv) Black-Listed due to non-performance in execution of works by any Public Electrical Utility/Govt. utility as on date of bid submission.	We request not to consider debarred or restricted bidder along with blacklisted or defaulted or short closed due to non-performance in execution of works against the order placed by any public electrical utility	No changes.
7	**SECTION – II, (Volume –I)** **INSTRUCTIONS TO BIDDERS (ITB) 3.0 SCOPE OF WORK:** **Bullet point 3.** Releasing of existing 3phase 3wire Non-DLMS meters in 2CT 2PT type HT installations in Non-RAPDRP area of BESCOM.	Kindly clarify the scope of provision/ installation of CT/PT set for 3 Phase 4 Wire system. 1. In case of additional requirement of CT PTs for conversion of 3 Phase 3 wire to 3 Phase 4 wire system, the provision of CT and PTs and installation shall be done by BESCOM and only meter fixing is in the scope of contractor. 2. In the case of defective / damages of CT / PT set in existing system whether the same shall be provided by BESCOM.	Scope of work comprises of only releasing of existing 3phase 3wire Non-DLMS meters in 2CT 2PT type HT installations in Non-RAPDRP area of BESCOM and fixing of Smart meter.
8	**SECTION – II, (Volume –I)** **INSTRUCTIONS TO BIDDERS (ITB). Clause 3.0 Point 4** The scope of work shall comprise, but not limited to the design, engineering, manufacture, testing and inspection at manufacture's works, packing, supply,	1. Our scope is limited to the supply and installation of HT 0.2s class meters only and not for civil and structural work. Kindly amend the same	The scope of work shall comprise, but not limited to the design, engineering, manufacture, testing and inspection at manufacture's works, packing, supply, transportation,

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	transportation, transit insurance, delivery to site, unloading, and storage and equipment erection including associated civil and structural works.	2. We request you to kindly exclude the civil work from the bidder scope.	transit insurance, delivery to site, unloading, and storage and equipment erection.
9	**SECTION – II, (Volume –I)** **INSTRUCTIONS TO BIDDERS (ITB) 5.0 Salient features of the scope include, but not limited to the following: Point No. t.** Restoration of the surface as per the requirements of the concerned authorities is also included in the scope of the work.	Kindly confirm if it is related to civil work?	The scope of work shall comprise, but not limited to the design, engineering, manufacture, testing and inspection at manufacture's works, packing, supply, transportation, transit insurance, delivery to site, unloading, and storage and equipment erection
10	**SECTION – V (VOLUME –1)** **SPECIAL CONDITIONS OF CONTRACT (SCC)** **1.6 TERMS OF PAYMENT** a. Fifty percent (50%) of the basic material cost and 100 % taxes against the receipt of materials supplied to store/ site . B. Fifty percent (50%) of basic material cost after the completion of the individual works, successful integration of the Smart Energy Meter with BESCOM system	Hundred (100%) of the basics material cost and 100 % taxes against the receipt of materials supplied to store/ site. Kindly amend the clause as suppliers have to demonstrate integration of meter data to the existing BESCOM server during proof of concept (POC) before opening of price bids.	No changes.

Sl. No	As existing	Queries sought by the prospective bidders	BESCOM Clarifications
11	**General :**	What is planned approach for collecting data from installed meters & integration with existing system.	BESCOM has already awarded for the integration of data with existing billing systems from the DLMS meters for which the successful bidder has to extend support for integration work.
12	**General :**	Will there be any separate tender, if so what is the expected date.	BESCOM has already awarded for the integration of data with existing billing systems from the DLMS meters. Implementation is in progress for which the successful bidder has to extend support for integration work.
13	**General:** Integration of meter data to the existing BESCOM server	Kindly provide the detailed scope of integration and BESCOM existing IT system details. We understand that meter will be read by our supplied HES and meter data to be integrated with BESCOM server. Please provide clarification.	Integration of meter data to the existing BESCOM server is not in the scope of bidder. BESCOM has already awarded for the integration of data with existing billing systems from the DLMS meters. Implementation is in progress. For which bidder has to extend support for integration work.

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14	**General:** Test terminal block	Replacing of existing 3P 3W to 3P 4W TTB is not in our supplier scope. Kindly clarify the same.	Scope of the work does not include Replacing of existing TTB 3P 3W to 3P 4W.
15	**Technical specification:** 34) Digital Input (D) The smart meter should have the provision of sensing digital inputs via DI(Digital Input) port provided at the terminal block. The smart meter should register the digital input(s) sensed, upon reaching respective threshold (configurable) and the event shall be communicated to HES. The OBIS code required for this shall be provided during detailed engineering. The requisite power supply requirement (AC to DC auxiliary supply/charger) for the DI should be made internal to the smart meter itself. In case the same is not feasible to be provided, bidder should provide external power supply with following specifications: a) Input voltage: 63.5 V AC b) Operating voltage: 12V DC c) Contact rating : 5A continuous @30 V DC, 25 A for 03 sec No. of Dis-04 Nos. Di for 4V(DC), 10 mA.	In standard bidding document (SBD) DI is required for only system metering applications. For consumer applications, DI is not specified. We would like to propose, instead of Digital input, meter itself should have provision to take smart decisions with calculating electrical parametes. Parameters like over loading and unbalance of phases could be measured by meter itself & should send the same to backend HES. Requesting you to please remove the requirement of Digital inputs.	No changes.

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16	**Technical Specification:** **D3. Other specification Current rating Ib 5A/1A (as applicable)**	Kindly provide the bifurcation meter quantities for both -/1A and -/5A field requirements.	No changes. However, BESCOM will provide the required details at the time of issue of LoI/DWA.
17	Technical specification of HT meters		HT meter shall comply to GoK approved technical specification. Copy of the same is uploaded.

All other terms & conditions for the subject tender remain unaltered.

(B.K Yogesh)
General Manager (Ele)
Meter & Commercial
BESCOM

Copy to:-

1. PS to Director (Technical), BESCOM, K.R.Circle, Bangalore with a request to place before the Director (Technical).
2. M.F/OC.